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(54) Title: IMPLANT AND METHOD OF PRODUCING THE SAME, AND A SYSTEM FOR IMPLANTATION

(57) Abstract: The present invention relates to a coated implant for in vivo-anchoring of implants to a biological tissue or another implant, which coated implant comprises an implant having a pre-treated surface and on said pre-treated surface one or more layers of ceramic material chemically and/or mechanically bound to said pre-treated surface. Said one or more layers comprises mainly non-hydrated chemically bonded ceramic material, and each layer independently comprises a first binder phase selected from the group consisting of aluminates, silicates, phosphates, sulphates and combinations thereof. The invention further relates to method of manufacturing said coated implant, a ceramic paste and to a kit comprising said coated implant and ceramic paste. The invention is particularly suitable for dental and orthopaedic implants.